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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : A61J 1/00 // B65D 81/32 — A1

(11) International Publication Number: WO 97/05851

(43) International Publication Date: 20 February 1997 (20.02.97)

(21) International Application Number: PCT/SE96/00984

(22) International Filing Date: 2 August 1996 (02.08.96)

(30) Priority Data:
9502768-6 8 August 1995 (08.08.95) SE

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(81) Designated States: JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
With international search report.

(54) Title: BAG FOR CONTAINING A STERILE MEDICAL SOLUTION

(57) Abstract

Container for enclosing sterile medical solution such as a peritoneal dialysis solution. The container comprises a first large compartment (25) comprising an electrolyte solution, and a second compartment (23) comprising glucose in a high concentration such as 50 %. The container is autoclaved with the solutions separated avoiding formation of toxic products. At use, a breakpin (21) in a connection tube (20) is broken, establishing communication between the two compartments for mixing of the glucose solution with the electrolyte solution to provide a ready-made peritoneal dialysis solution. The border edge (2) is comparatively rigid and is provided with weakening lines (34) close to the middle of the border edge forming a hinge-type connection between left and right portions of the border edge.

CLAIMS

1. Container for enclosing a sterile medical solution, for example a solution intended for peritoneal dialysis, comprising

at least two compartments (23,25) separated by a separation line (24), a first of said compartments (25) comprising an electrolyte solution, for example NaCl, $CaCl_2$, etc, and a second of said compartments (23) comprising glucose in a high concentration, for example above about 20%;

support means (5), for example a hole (5) in a border edge (2) of the container, for supporting the container in a first position, in which said second compartment (23) is positioned above said first compartment (25);

connection means (20,21) for selectively connecting said second compartment with said first compartment when the container is in said first position for mixing the contents of said second compartment with the contents of said first compartment;

characterized in that

said border edge (2) is comparetively rigid and is provided with weakening lines (34) close to the middle of the border edge forming a hinge-type connection between a left and right portion of the border edge (2).

2. Container according to claim 1, **characterized** in that said separation line (24) is inclined in relation to the horizon when the container is placed in said first position; and

said connection means (20,21) is positioned adjacent the lowest portion of the second compartment in said first position.

3. Container according to claim 1 or 2, **characterized** in that said container comprises a first border edge (73) including introduction tubes (70,75) for introducing solutions intended for the compartments therein.

4. Container according to claim 3, **characterized** in that said first border edge (2) comprises an introduction tube (11) for introducing a first solution in the adjacent compartment (8) and in that a second border edge (3) at the opposite side of the container comprises an introduction tube (12) for introducing a second solution in the other compartment (9).

5. Container according to claim 3, **characterized** in that said first border edge (80) comprises an introduction tube (81,82) for introducing a first solution in the adjacent compartment (83,84) and in that the same border edge (80) comprises an introduction tube (89) for introducing a second solution in the other compartment (87).

6. Container according to claim 3 or 5, **characterized** in that said first border edge (80) is made of a single separate part including introduction tubes and the container is made of films of a flexible plastic material sealingly attached (92) to said separate part to form said container.

7. Container according to claim 6, **characterized** in that said first border edge comprises at least one introduction tube (127,128) and integrally therewith a connection tube for selectively connecting the two compartments to each other.

8. Container according to anyone of the preceding claims, **characterized** in that said connection means is a connection tube (17) including breakable means (18) which establishes fluid communication therethrough at activation of said breakable means.

9. Container according to anyone of the preceding claims, characterized in that the separation line (36) between the two compartments generally has an inverted V-shape directed so that the extensions of the V-shaped separation line portions pass close to the weakening lines (34).